

=> d 12 2 ibib hitstr abs

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1989:121535 CAPLUS

DOCUMENT NUMBER: 110:121535

TITLE: High-performance liquid chromatographic analysis of the by-products of the synthesis of ethynylestradiol, mestranol, 17.alpha.-hydroxyprogesterone caproate and 17.alpha.-hydroxy-6-dehydroprogesterone acetate

AUTHOR(S): Levchenko, N. K.; Osokin, D. M.; Torgov, I. V.;

CORPORATE SOURCE: Arzamastsev, A. P.; Sokolova, T. M.; Tuguntaev, G. I. M. M. Shemyakin Inst. Bioorg. Chem., Moscow, 117871, USSR

SOURCE: Journal of Chromatography (1988), 456(2), 427-30
CODEN: JOCRAM; ISSN: 0021-9673

DOCUMENT TYPE: Journal

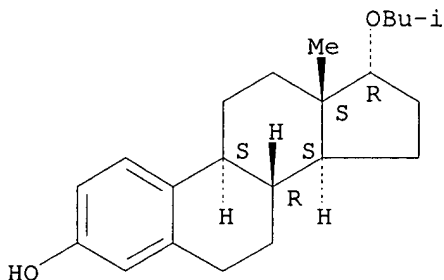
LANGUAGE: English

IT 119309-39-6, 17.alpha.-Isobutylestradiol
RL: ANT (Analyte); ANST (Analytical study)
(detr. of, in ethynylestradiol by HPLC)

RN 119309-39-6 CAPLUS

CN Estra-1,3,5(10)-trien-3-ol, 17-(2-methylpropoxy)-, (17.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AB Impurities in the samples and mother liquors of title compds. were sepd. by preparative HPLC on a Prep Pak silica column with a refractometric detector. The compds. were identified by spectral methods and detd. by anal. HPLC and TLC. Some of the impurities were estrone, estradiol and estrone Me ethers, 17.alpha.-isobutylestradiol.

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NEWS 6 AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS 7 AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS 8 AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS 9 AUG 18	Simultaneous left and right truncation added to ANABSTR
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=> file reg

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DICTIONARY FILE UPDATES: 10 NOV 2003 HIGHEST RN 614792-33-5

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in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 119309-39-6/rn

L1 1 119309-39-6/RN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN **119309-39-6** REGISTRY

CN Estradiol, 17-(2-methylpropoxy)-, (17.alpha.)- (9CI) (CA
INDEX NAME)

OTHER NAMES:

CN 17.alpha.-Isobutylestradiol

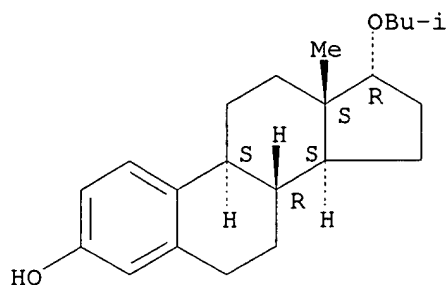
FS STEREOSEARCH

MF C22 H32 O2

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

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ENTRY

SESSION

FULL ESTIMATED COST

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2.69

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FILE COVERS 1907 - 11 Nov 2003 VOL 139 ISS 20

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YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

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'ABS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

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REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

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CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

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HELP FORMATS -- To see detailed descriptions of the predefined formats.
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=> file caplus

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FILE LAST UPDATED: 10 Nov 2003 (20031110/ED)

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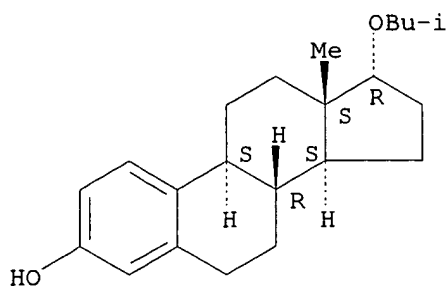
=> s 11

L2 2 L1

=> d 12 ibib hitstr abs

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1990:429367 CAPLUS
DOCUMENT NUMBER: 113:29367
TITLE: HPLC determination of steroidal impurities in
mestranol and ethynylestradiol
AUTHOR(S): Levchenko, N. K.; Osokin, D. M.; Torgov, I. V.;
Tuguntaev, G. I.; Sokolova, T. M.; Arzamastsev, A. P.
CORPORATE SOURCE: Inst. Bioorg. Khim. im. Shemyakina, Moscow, USSR
SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1990), 24(3), 84-6
CODEN: KHFZAN; ISSN: 0023-1134
DOCUMENT TYPE: Journal
LANGUAGE: Russian
IT 119309-39-6, 17.alpha.-Isobutylestradiol
RL: ANT (Analyte); ANST (Analytical study)
(detn. of, as impurity in ethynylestradiol, by HPLC)
RN 119309-39-6 CAPLUS
CN Estra-1,3,5(10)-trien-3-ol, 17-(2-methylpropoxy)-, (17.alpha.)- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.



AB After TLC sepn. on a Silufol UV254 plate and identification by using 10% phosphormolybdenic acid in EtOH, steroidal microimpurities were detd. in ethynylestradiol and mestranol by HPLC using different columns, mobile phases comprising EtOAc-CHCl₃, MeHO-CHCl₃, and CHCl₃-petroleum ether, and UV spectrophotometric detection at 254 nm. The method is suitable for the quality control of these drugs.

=> d 12 2 ibib hitstr abs

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1989:121535 CAPLUS

DOCUMENT NUMBER: 110:121535

TITLE: High-performance liquid chromatographic analysis of the by-products of the synthesis of ethynylestradiol, mestranol, 17.alpha.-hydroxyprogesterone caproate and 17.alpha.-hydroxy-6-dehydroprogesterone acetate

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CORPORATE SOURCE: M. M. Shemyakin Inst. Bioorg. Chem., Moscow, 117871, USSR

SOURCE: Journal of Chromatography (1988), 456(2), 427-30
CODEN: JOCRAM; ISSN: 0021-9673

DOCUMENT TYPE: Journal

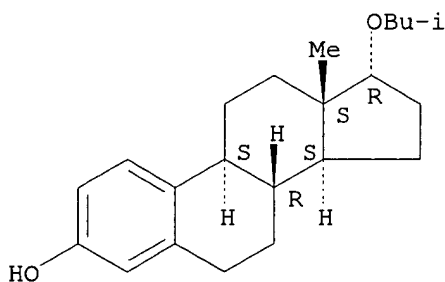
LANGUAGE: English

IT **119309-39-6**, 17.alpha.-Isobutylestradiol
RL: ANT (Analyte); ANST (Analytical study)
(detn. of, in ethynylestradiol by HPLC)

RN 119309-39-6 CAPLUS

CN Estra-1,3,5(10)-trien-3-ol, 17-(2-methylpropoxy)-, (17.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



09893324

AB Impurities in the samples and mother liquors of title compds. were sepd. by preparative HPLC on a Prep Pak silica column with a refractometric detector. The compds. were identified by spectral methods and detd. by anal. HPLC and TLC. Some of the impurities were estrone, estradiol and estrone Me ethers, 17.alpha.-isobutylestradiol.